

## Research in Aeronautics and Space



## Providing Pioneers for the Future

The NASA Postdoctoral Program (NPP) offers unique research opportunities to individuals to engage in ongoing NASA research programs. These 1-year fellowship appointments, renewable for up to 3 years are competitive and are designed to advance NASA's missions in space science, Earth science, aeronautics, space operations, exploration systems, and astrobiology.

NASA's Glenn Research Center, in partnership with U.S. industry, universities, and other government institutions, develops critical systems technologies and capabilities that address national priorities. The work is focused on technological advancements in spaceflight systems development, aer propulsion, space propulsion, power systems, advanced energy, communications, and human research. Glenn's main campus is situated on 350 acres adjacent to the Cleveland Hopkins International Airport in Ohio.

### Research and Technology Directorate

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National Aeronautics and  
Space Administration



# NASA Postdoctoral Program NPP



program

# NASA Postdoctoral Program (NPP)

## Description

The NPP, administered by Oak Ridge Associated Universities (ORAU) for NASA, is open to recent and senior-level Ph.D. recipients to conduct uninterrupted, independent research in association with Glenn Research Center's professional staff.



*Research at NASA Glenn.*

## Objectives

- Provide postdoctoral scientists and engineers of unusual promise and ability opportunities for research on their primary selected problems, which are compatible with the interests of the sponsoring organization.
- Provide environment that encourages fellows to contribute to the overall efforts of Glenn Science, Technology, Engineering, and Mathematics (STEM) skill base.

## Eligibility

Qualified underrepresented minorities are encouraged to apply.

An applicant

- Must be a U.S. citizen. A U.S. permanent resident, or citizen of a "friendly" country will be considered. Preference is noted by research opportunity at Web site.
- Must have a Ph.D. or equivalent degree in science or engineering. Previous NPP fellowship recipients are not eligible.

## Program Duration

One-year tenure with renewable second year; possible third year consideration.

## Application

- Annual application deadlines: March 1, July 1, and November 1.
- Online application is available at

**<http://nasa.orau.org/postdoc>**



*Faculty and NASA mentor in lab.*



## Glenn Competencies

- Acoustics
- Advanced Energy and Storage
- Aeropropulsion
- Bioengineering
- Combustion
- Communications
- Electrical (Ion) Propulsion
- Electrical Systems
- Electrochemistry-Physics
- Fluids, Computational Fluid Dynamics (CFD), and Turbomachinery
- Instrumentation and Controls Materials
- Mechanical Components and Lubrication
- Modeling, Simulation, and Visualization
- Nanotechnology
- Photovoltaics
- Power and Energy Conversion Systems
- Propulsion System and Aerothermodynamics
- Propellant Systems
- Structures
- Systems Analysis and Engineering
- Thermal Energy Conversion